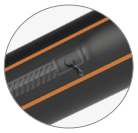
DripNet PC™ AS TWD

Compact pressure-compensated dripper with continuous self-flushing and an anti-siphon (AS) mechanism for few-season drip irrigation applications. Its compact design enables a wide range of dripline configurations while maintaining reliable hydraulic performance, even in complex topographies.

Benefits & Features

Uniform water distribution	Ensures precise, uniform discharge across a broad pressure range, delivering consistent water and nutrient application along the entire dripline length.
Prevents suction (AS)	The integrated anti-siphon (AS) mechanism prevents the suction of contaminants into the dripper, making it especially suitable for sub-surface applications.
Long-lasting, high clogging resistance	Ensures reliable performance through a self-cleaning labyrinth that continuously flushes debris during operation. The advanced dripper structure is designed to help reduce the risk of root intrusion into the flow path, ensuring long-term system durability. A large filtration area reduces the risk of suspended particle ingress, ensuring dependable performance across a wide range of water quality levels. The TurboNet™ labyrinth features wide, deep flow passages with large cross-sections that enhance clogging resistance. Water is drawn from the center of the flow stream, further minimizing particle ingress.
Guided installation orientation	Dual orange stripes indicate the dripper position, enabling quick and accurate installation. Installing the dripper facing upwards helps reduce sediment accumulation away from the inlet, improving long-term performance and reliability.
Flap outlet protection (optional)	Reduces the risk of particle ingress from surrounding soil through a flexible outlet cover that closes when irrigation stops, acting as a mechanical barrier against soil, sand, and debris. *Does not provide full anti-siphon functionality or guarantee complete sealing under all field conditions. Proper system design, installation, and maintenance, including the correct use of air valves, are recommended to prevent suction within the dripline.



Applications

Open field | Orchards | Protected crops

- Suitable for sub-surface installation across a wide range of field conditions.
- Delivers uniform hydraulic performance on flat terrain, sloping fields and variable topographies.
- Ideal for precision irrigation in vegetables and industrial crops.

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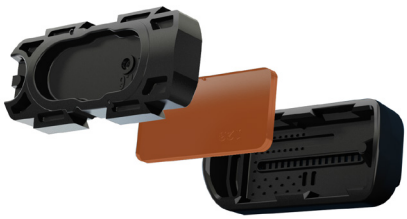
Specifications

- Pressure-compensated operating range as shown in the table below.
- Filtration requirements: Filtration level depends on the dripper flow rate and must be selected according to the type and concentration of particles in the water. When sand content exceeds 2 ppm, a Hydrocyclone must be installed upstream of the main filter. For sand/silt/clay solids above 100 ppm, apply pre-treatment in line with Netafim™ expert guidelines.
- TurboNet™ labyrinth with extra-wide flow passages for enhanced clogging resistance.
- Weldable into thin-wall driplines: 0.31, 0.34 and 0.38 mm.
- Injection-molded dripper with ultra-low coefficient of variation (CV) and an injection-molded silicone diaphragm for exceptional uniformity and long-term performance.
- High UV resistance and fully compatible with standard agricultural nutrients and fertilizers.
- Fully compliant with ISO 9261 international manufacturing and performance standards.
- Driplines are black with two orange stripes.

Drippers technical data

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm x mm x mm)	Filtration area (mm²)	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)
0.60	0.25 - 2.5	0.52 x 0.60 x 22	39	0.6	0	130/120
1.00	0.40 - 3.0	0.61 x 0.60 x 8	39	1.0	0	130/120
1.60	0.40 - 3.0	0.76 x 0.73 x 8	39	1.6	0	200/80
2.00	0.40 - 3.5	0.76 x 0.88 x 8	39	2.0	0	200/80
3.00	0.40 - 3.5	1.02 x 0.88 x 8	39	3.0	0	200/80
3.50	0.60 - 3.5	1.02 x 0.88 x 8	39	3.5	0	200/80
3.80	0.60 - 3.5	1.02 x 0.88 x 8	39	3.8	0	200/80

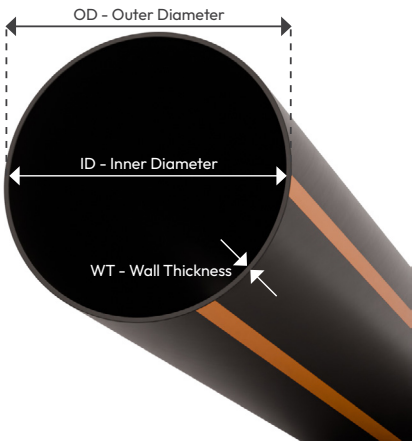


* Within working pressure range.

Both the K constant and the X exponent are fundamental hydraulic parameters used to calculate the actual flow rate of each dripper at a given operating pressure (within its specified working range), as detailed in the following pages.

Driplines technical data

Model	Inner diameter (mm)	Wall thickness (mil) / (mm)	Outer diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	Kd
12125	11.80	12.5 / 0.31	12.42	2.5	2.9	1.35
12150	11.80	15.0 / 0.38	12.56	3.0	3.5	1.35
16125	16.20	12.5 / 0.31	16.82	1.8	2.1	0.40
16150	16.20	15.0 / 0.38	16.96	2.2	2.5	0.40
22135	22.20	13.5 / 0.34	22.88	1.5	1.7	0.18
22150	22.20	15.0 / 0.38	22.96	1.8	2.1	0.18



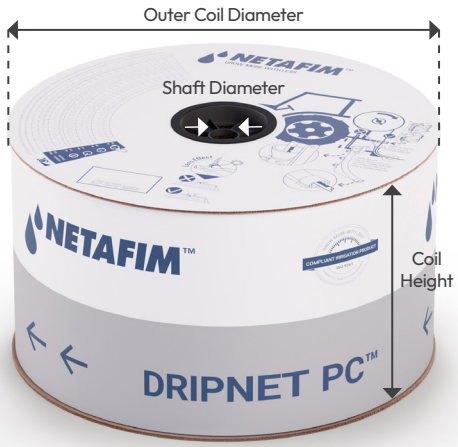
* The maximum working pressure is defined by the dripper or by the dripline wall thickness.

Kd: An integral dripper installed inside the dripline creates a localized disturbance in the water flow, generating minor head losses (Kd) as its shape and volume partially obstruct the internal flow path. The lower the Kd value for a given inner diameter, the longer the driplines can be designed under similar operating conditions.

Max. flushing pressure: The maximum permissible flushing pressures shown in the table apply to continuous flushing cycles of up to 30 minutes, with the ends of at least five driplines opened for flushing.

Driplines package data (on carton coil)

Model	Wall thickness (mil) / (mm)	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Outer coil diameter (cm)	Shaft diameter (cm)	Coil height (cm)
12125	12.5 / 0.31	0.15 to 0.19	1000	17.5	52.0	3.8	32.5
		15.0 / 0.38	1100	16.3			
		12.5 / 0.31	1200	15.6			
12150	15.0 / 0.38	0.15 to 0.19	800	14.8	52.0	3.8	32.5
		13.5 / 0.34	900	14.5			
		15.0 / 0.38	900	14.0			
16125	12.5 / 0.31	0.15 to 0.19	1000	20.3	57.0	3.8	32.5
		15.0 / 0.38	1150	21.3			
		13.5 / 0.34	1300	22.7			
16150	15.0 / 0.38	0.15 to 0.19	950	23.3	57.0	3.8	32.5
		0.20 to 0.25	1100	24.2			
		0.30 to 1.00	1200	25.6			
22135	13.5 / 0.34	0.15 to 0.19	800	23.5	57.0	3.8	32.5
		15.0 / 0.38	850	22.9			
		0.30 to 1.00	950	24.5			
22150	15.0 / 0.38	0.15 to 0.19	700	22.6	57.0	3.8	32.5
		0.20 to 0.25	800	23.8			
		0.30 to 1.00	850	24.4			



*Values shown are average weights and may vary due to dripper spacing and extrusion tolerances. Refer to the official Netafim™ disclaimers for details.

Driplines package data (on carton coil) within container

Model	Coil length (m)	Coils p/pallet (units)	Pallet dimensions (cm x cm x cm)	Average* pallet weight (kg)	Coils in a 40 foot container (units)	Total in a 40 foot container (m)
12125	1000	12	109 x 109 x 110	220	480	480000
	1100			206		528000
	1200			197		576000
12150	800	12	109 x 109 x 110	188	480	384000
	900			184		432000
	900			178		432000
16125	1000	12	109 x 109 x 110	254	480	480000
	1150			266		552000
	1300			282		624000
16150	950	12	109 x 109 x 110	290	480	456000
	1100			300		528000
	1200			317		576000
22135	800	12	109 x 109 x 110	292	480	384000
	850			285		408000
	950			304		456000
22150	700	12	109 x 109 x 110	281	480	336000
	800			296		384000
	850			303		408000

*Values shown are average weights and may vary due to dripper spacing and extrusion tolerances. Refer to the official Netafim™ disclaimers for details.

A standard 40-foot container has internal dimensions of 12.0 m (L) × 2.35 m (W) × 2.39 m (H). In certain cases, a 40-foot High Cube container may be used, providing an increased internal height of 2.69 m, allowing improved volume utilization depending on product configuration.

Catalog numbers

Because of the wide range of available configurations (different flow rates, emitter spacings, coil lengths and additional specifications), the final catalog number must be confirmed with your local Netafim™ representative after completing the product definition.

Complete the product specification using the options provided in the following flow chart.
How to use: Select one option from each category in the chart to define the most appropriate product configuration for your application.

Product name	
DripNet PC™ AS	DNPC AS

Commercial diameter (mm)	
12	12
16	16
22	22

Wall thickness (mil) / (mm)	
12.5 / 0.31	125
13.5 / 0.34	135
15.0 / 0.35	150

Flow rate (l/h)	
0.6	0.6L/H
1.0	1.0L/H
1.6	1.6L/H
2.0	2.0L/H
3.0	3.0L/H
3.5	3.5L/H
3.8	3.8L/H

Distance between drippers (m)	
0.2	0.20M
0.3	0.30M
0.4	0.40M
0.5	0.50M
0.6	0.60M
0.7	0.70M

*Other distances between drippers can be ordered.

Coil length (m)
Coil length according to the values presented in the corresponding table.

Special features	
No added	-
Flap outlet	FL
Other	XXX

*Other features available upon request. Consult your local Netafim™ distributor.

DNPC AS 16125 1.0L/H 0.30M 1300M FL

Catalog description example

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Drippers flow rate vs working pressure

To determine the actual flow rate of a dripper under different operating pressures, the following equation is applied:
$Q = K \times P^x$

Where:

Q = Dripper flow rate (liters per hour)

K = Dripper-specific flow constant (manufacturer-defined)

P = Actual working pressure (meters of water column)

X = Dripper-specific exponent (manufacturer-defined)

In accordance with ISO 9261, manufacturers must declare both the K constant and the X exponent for each dripper model.

In all Netafim™ pressure-compensated drippers, including DripNet PC™ (featured in this document), the dripper exponent X is equal to 0 within the specified pressure-compensation range for each model. This ensures that the actual dripper flow rate remains constant within ±7%, in full compliance with ISO 9261 international standards.

Each pressure-compensated dripper model operates within a defined compensation range, with clearly specified minimum and maximum pressure limits. Below the minimum compensation pressure, the dripper behaves as a non-pressure-compensated emitter and its flow rate increases proportionally with pressure until the minimum operating threshold is reached.

Above the maximum compensation pressure, Netafim™ pressure-compensated drippers will continue to regulate flow; however, they become more susceptible to clogging. In most cases, the maximum operating pressure is determined by the physical limitations of the dripline, such as diameter, wall thickness and most importantly, the structural integrity of the pipe and its associated connections.

DripNet PC™ AS flow (l/h) vs pressure (bar)

Dripper	Flow rate* (l/h)	Working pressure (bar)									
		0.10	0.15	0.20	0.25	0.30	0.40	0.50	1.00	2.00	3.00
DripNet PC™ AS	0.60	0.39	0.47	0.54	0.60	0.60	0.60	0.60	0.60	0.60	0.60
	1.00	0.51	0.62	0.72	0.80	0.87	1.00	1.00	1.00	1.00	1.00
	1.60	0.82	1.00	1.15	1.28	1.39	1.60	1.60	1.60	1.60	1.60
	2.00	1.03	1.25	1.43	1.60	1.74	2.00	2.00	2.00	2.00	2.00
	3.00	1.54	1.87	2.15	2.39	2.61	3.00	3.00	3.00	3.00	3.00
	3.50	1.48	1.80	2.07	2.30	2.51	2.88	3.21	3.50	3.50	3.50
	3.80	1.61	1.95	2.24	2.50	2.72	3.13	3.48	3.80	3.80	3.80

* Within working pressure range

Maximum driplines length

To determine the maximum feasible run length for a given dripline, considering all hydraulic factors that influence flow within the dripline, Netafim™ uses proprietary design software based on the Darcy–Weisbach equations, supported by decades of engineering expertise and long-standing collaboration with leading academic institutions.

The precise maximum run length for any installation must be calculated using this dedicated design software, which evaluates all relevant hydraulic parameters across the system.

Minor differences may occur between design tools available on the market, due to variations in calculation methodologies and underlying design assumptions.

To calculate the maximum feasible dripline length, taking into account the required variables, such as flow rate and emitter spacing, pipe inner diameter, field slope, inlet pressure and other parameters, Netafim™ HydroCalc design software can be used.

HydroCalc 3.0 by NETAFIM

The following tables present the maximum dripline lengths that can be used in driplines to achieve optimal performance.

The values provided here are intended to offer a preliminary reference. The actual maximum dripline length must be calculated by a hydraulic engineer responsible for designing the complete system, in order to account for additional constraints and site-specific limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 0.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	85	116	143	166	185	202	218	230	242
	1.5	103	144	179	210	238	263	285	305	323
	2.0	117	164	206	243	277	307	334	360	384
	2.5	129	181	228	270	308	343	375	405	433
Flat terrain	1.0	92	132	168	203	235	265	294	322	349
	1.5	110	157	201	242	281	317	352	385	418
	2.0	123	176	226	272	316	357	396	434	470
	2.5	134	193	246	297	344	389	433	473	514
Downhill 2%	1.0	100	148	195	241	286	331	375	419	463
	1.5	117	171	224	275	325	374	422	469	516
	2.0	129	189	246	302	355	407	459	509	559
	2.5	140	204	265	324	381	437	491	545	596

Minimum design pressure: 0.25 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 1.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	57	79	98	114	128	141	153	163	172
	1.5	72	101	126	149	169	188	206	221	236
	2.0	82	116	146	174	199	222	243	263	281
	2.5	91	129	162	194	222	249	273	296	318
	3.0	98	139	176	211	242	271	298	324	348
Flat terrain	1.0	61	88	112	135	156	176	196	214	232
	1.5	75	108	138	166	193	218	242	265	287
	2.0	85	122	157	189	220	249	276	302	328
	2.5	94	134	172	208	241	273	303	332	360
	3.0	101	145	186	224	260	294	326	358	388
Downhill 2%	1.0	65	96	126	156	184	212	240	268	295
	1.5	79	115	150	184	216	248	279	310	340
	2.0	89	129	168	205	241	275	309	342	375
	2.5	97	140	182	222	260	298	334	369	404
	3.0	103	150	194	237	278	317	355	393	429

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 1.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	43	60	75	88	100	111	121	130	138
	1.5	53	75	95	113	130	144	158	172	184
	2.0	61	87	110	131	151	169	186	202	217
	2.5	67	96	122	146	167	188	207	225	243
	3.0	73	104	132	158	182	204	226	246	265
Flat terrain	1.0	45	65	82	99	115	130	145	158	171
	1.5	55	79	102	123	142	160	178	195	212
	2.0	63	90	116	139	161	183	203	223	242
	2.5	69	99	127	153	178	201	224	246	266
	3.0	74	107	136	165	191	217	241	265	287
Downhill 2%	1.0	47	69	90	111	130	150	169	187	206
	1.5	57	83	108	132	155	177	198	220	241
	2.0	64	94	121	148	173	197	222	245	268
	2.5	70	102	132	161	188	215	240	266	290
	3.0	75	109	141	172	201	230	257	284	309

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 2.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	37	52	66	78	88	98	107	116	123
	1.5	46	66	83	99	113	127	139	151	163
	2.0	53	75	96	114	131	148	162	177	190
	2.5	58	83	106	127	146	164	182	197	213
	3.5	63	90	114	137	158	179	197	215	232
Flat terrain	1.0	39	56	71	86	100	113	125	137	149
	1.5	48	68	88	106	123	139	154	169	184
	2.0	54	78	100	121	140	158	176	194	209
	2.5	59	86	110	133	154	174	194	212	230
	3.5	64	92	118	143	166	188	209	229	248
Downhill 2%	1.0	41	59	77	95	111	127	143	159	174
	1.5	49	71	92	113	133	151	170	187	205
	2.0	55	80	104	127	148	169	190	210	229
	2.5	61	88	114	138	161	184	206	228	248
	3.5	65	94	122	148	173	197	220	243	265

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 3.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	29	41	51	61	70	78	86	93	100
	1.5	36	51	64	77	89	100	110	120	129
	2.0	41	58	74	89	103	116	127	140	150
	2.5	45	64	82	98	113	128	142	155	167
	3.5	48	69	88	106	123	139	154	167	181
Flat terrain	1.0	30	43	55	66	77	87	96	105	114
	1.5	37	53	67	82	94	107	119	131	141
	2.0	42	60	77	93	107	122	135	149	161
	2.5	46	65	84	102	118	134	149	164	177
	3.5	49	71	90	110	127	144	161	176	191
Downhill 2%	1.0	31	45	58	71	83	95	107	119	130
	1.5	37	54	70	86	100	114	128	141	154
	2.0	42	61	79	96	113	128	143	158	173
	2.5	46	67	86	105	123	140	156	172	188
	3.5	50	72	93	113	131	150	167	185	201

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 3.50 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	23	32	40	48	54	60	66	71	76
	1.5	30	43	54	65	75	84	93	101	109
	2.0	35	50	64	77	89	100	110	121	130
	2.5	39	56	72	86	100	112	124	135	146
	3.5	43	61	78	94	109	123	135	149	160
Flat terrain	1.0	23	34	43	52	60	68	76	83	90
	1.5	31	44	57	69	80	90	101	110	119
	2.0	36	52	66	80	93	105	117	129	139
	2.5	40	57	74	89	103	117	130	143	155
	3.5	43	62	80	96	112	127	142	155	168
Downhill 2%	1.0	24	36	46	57	67	76	86	95	104
	1.5	32	46	59	72	85	97	108	120	131
	2.0	36	53	68	83	97	111	124	137	149
	2.5	40	59	76	92	107	122	137	150	164
	3.5	44	63	82	99	116	132	147	162	176

Minimum design pressure: 0.60 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 12125/12150 • ID 11.8 mm • Kd 1.35 • Flow rate 3.80 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	21	30	38	45	52	57	63	68	73
	1.5	29	41	52	62	71	80	88	96	103
	2.0	33	48	61	73	84	95	105	114	124
	2.5	37	53	68	82	94	106	118	129	139
	3.5	40	58	74	89	103	116	129	140	152
Flat terrain	1.0	22	32	41	49	57	64	72	79	85
	1.5	29	42	54	65	76	85	95	104	113
	2.0	34	49	63	76	88	100	111	122	132
	2.5	38	54	70	84	98	111	123	136	147
	3.5	41	59	76	91	106	120	134	147	160
Downhill 2%	1.0	23	34	44	54	63	72	81	89	98
	1.5	30	44	56	69	80	91	102	113	123
	2.0	35	50	65	79	92	105	117	130	141
	2.5	38	55	72	87	101	116	129	142	155
	3.5	41	60	77	94	109	125	139	153	167

Minimum design pressure: 0.60 bar. Maximum working pressure: Determined by the dripper and by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 0.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	157	202	234	259	277	293	304	314	322
	1.4	191	251	297	334	364	389	410	428	443
	1.8	218	289	346	393	433	466	495	521	543
	2.2	240	320	386	442	490	531	566	599	627
Flat terrain	1.0	190	264	330	391	446	500	550	598	643
	1.4	220	306	383	454	520	582	640	696	749
	1.8	244	340	426	505	578	646	712	774	834
	2.2	264	368	462	547	626	701	772	840	905
Downhill 2%	1.0	223	329	432	528	618	706	791	875	957
	1.4	250	363	473	576	673	767	858	947	1034
	1.8	271	392	508	617	719	818	914	1008	1100
	2.2	289	417	538	653	760	863	963	1061	1157

Minimum design pressure: 0.25 bar. Maximum working pressure: Determined by the dripper or by the dripline wall-thickness limitations.
Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 1.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	108	140	166	185	201	214	225	233	241
	1.4	135	179	215	245	271	292	310	327	341
	1.8	155	208	252	290	322	351	376	399	419
	2.2	171	232	282	326	365	399	430	457	482
Flat terrain	1.0	126	175	219	260	297	333	366	398	428
	1.4	150	209	262	311	356	398	438	477	514
	1.8	169	236	295	350	401	449	494	537	579
	2.2	184	257	322	382	438	491	540	588	633
Downhill 2%	1.0	144	211	276	339	401	463	523	584	644
	1.4	166	240	311	379	446	511	576	639	702
	1.8	183	263	339	412	482	552	619	685	751
	2.2	197	283	363	440	514	586	656	725	793

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 1.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	83	110	132	150	166	179	190	200	208
	1.4	102	138	168	193	215	235	253	268	283
	1.8	117	159	194	226	253	277	300	320	339
	2.2	129	176	216	252	283	312	338	362	384
Flat terrain	1.0	93	129	162	192	220	246	270	294	317
	1.4	111	154	194	230	263	294	324	353	380
	1.8	124	173	218	258	296	332	366	398	428
	2.2	136	189	238	282	323	363	399	435	468
Downhill 2%	1.0	103	149	192	235	277	317	357	397	436
	1.4	119	171	220	267	312	356	399	442	483
	1.8	132	188	242	292	340	388	434	478	522
	2.2	143	203	260	314	365	414	462	509	556

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 2.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	73	98	118	135	149	162	173	183	192
	1.4	89	121	148	172	192	210	226	242	256
	1.8	102	139	171	199	224	246	267	286	303
	2.2	112	153	189	221	250	276	300	322	342
Flat terrain	1.0	80	112	140	166	190	213	234	255	275
	1.4	96	134	168	199	227	255	281	306	329
	1.8	107	150	188	224	256	287	317	345	371
	2.2	117	164	206	244	280	314	346	376	406
Downhill 2%	1.0	88	126	163	199	233	267	299	332	364
	1.4	102	146	187	227	265	301	337	373	407
	1.8	113	161	206	249	290	329	367	405	442
	2.2	122	174	222	268	311	353	394	433	472

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 3.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	57	77	94	109	122	133	143	153	161
	1.4	70	95	117	137	154	169	184	197	210
	1.8	79	109	134	158	178	197	214	230	246
	2.2	87	120	148	175	197	219	239	257	275
Flat terrain	1.0	62	86	108	128	146	164	181	196	212
	1.4	73	103	129	153	175	197	217	236	254
	1.8	82	115	145	172	197	221	244	266	286
	2.2	90	126	158	188	216	242	266	291	313
Downhill 2%	1.0	66	95	121	147	172	196	219	242	265
	1.4	77	110	140	170	197	224	250	275	300
	1.8	86	122	155	187	217	246	274	302	328
	2.2	93	132	168	202	234	265	294	324	352

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 3.50 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	44	60	72	83	92	101	108	114	120
	1.4	58	80	98	114	128	141	153	164	174
	1.8	68	93	115	135	152	169	184	198	211
	2.2	75	104	129	152	172	191	208	224	240
Flat terrain	1.0	48	68	84	101	115	129	142	154	166
	1.4	61	86	108	128	147	165	181	197	213
	1.8	71	99	124	148	169	190	209	228	245
	2.2	78	109	137	163	187	210	232	252	272
Downhill 2%	1.0	52	75	97	118	138	158	178	196	215
	1.4	65	92	118	143	166	188	210	232	253
	1.8	74	104	133	161	186	211	235	258	281
	2.2	81	114	146	175	203	230	255	281	305

Minimum design pressure: 0.60 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 16125/16150 • ID 16.2 mm • Kd 0.40 • Flow rate 3.80 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	42	57	69	80	89	97	104	111	116
	1.4	55	76	93	109	122	135	146	157	167
	1.8	64	89	110	129	146	161	175	189	201
	2.2	72	99	123	145	164	182	198	214	229
Flat terrain	1.0	46	64	80	95	109	122	134	147	158
	1.4	58	81	102	122	139	156	172	187	202
	1.8	67	94	118	140	161	180	198	216	233
	2.2	74	104	130	155	178	200	220	239	258
Downhill 2%	1.0	50	71	92	111	130	148	166	185	202
	1.4	61	87	111	135	157	178	198	219	238
	1.8	70	99	126	152	176	199	222	244	265
	2.2	76	108	138	166	191	217	241	265	288

Minimum design pressure: 0.60 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 0.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	243	287	313	330	340	348	353	357	360
	1.6	337	419	475	515	545	567	584	598	609
	2.2	405	515	596	657	706	744	775	800	821
	2.4	459	592	693	773	838	891	936	973	1005
Flat terrain	1.0	350	479	593	697	793	884	970	1051	1130
	1.6	430	589	730	859	978	1091	1197	1298	1395
	2.2	489	670	832	979	1115	1243	1365	1481	1591
	2.4	537	737	914	1077	1227	1369	1502	1630	1752
Downhill 2%	1.0	463	669	864	1052	1235	1414	1590	1762	1932
	1.6	525	752	966	1171	1369	1561	1750	1934	2116
	2.2	574	818	1047	1265	1475	1679	1878	2073	2264
	2.4	616	874	1116	1346	1566	1780	1988	2191	2390

Minimum design pressure: 0.25 bar. Maximum working pressure: Determined by the dripper limitations.
Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 1.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	172	209	232	249	259	267	274	278	281
	1.6	246	313	363	401	431	454	474	490	503
	2.2	296	385	454	509	555	593	626	653	677
	2.4	336	441	525	595	653	704	747	786	819
Flat terrain	1.0	232	318	394	464	527	588	645	699	752
	1.6	296	406	504	593	676	753	826	896	964
	2.2	341	468	581	685	781	870	955	1037	1115
	2.4	377	518	644	758	865	965	1059	1149	1236
Downhill 2%	1.0	295	436	576	710	829	946	1059	1171	1281
	1.6	347	503	654	798	928	1056	1179	1300	1418
	2.2	386	554	715	868	1007	1143	1274	1403	1529
	2.4	418	597	766	927	1075	1218	1356	1491	1623

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper limitations.
Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 1.60 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	138	173	198	217	231	242	251	257	263
	1.6	191	248	293	330	361	386	407	427	442
	2.2	227	299	359	408	451	487	520	548	574
	2.4	255	340	410	470	521	568	609	645	679
Flat terrain	1.0	171	235	291	343	390	435	478	518	557
	1.6	218	299	372	438	499	557	611	663	713
	2.2	251	345	429	506	577	643	706	767	825
	2.4	277	382	475	560	639	713	783	851	914
Downhill 2%	1.0	205	299	391	481	570	658	738	813	887
	1.6	246	352	454	552	648	742	828	911	992
	2.2	276	392	502	607	709	809	901	989	1076
	2.4	300	425	542	654	761	865	962	1056	1147

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper limitations.
Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 2.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	123	157	182	201	215	228	237	245	252
	1.6	168	221	263	298	327	352	374	393	410
	2.2	199	265	318	365	404	440	470	499	524
	2.4	223	299	362	417	465	508	546	581	613
Flat terrain	1.0	148	203	252	297	338	377	414	449	482
	1.6	188	259	322	380	433	482	530	575	618
	2.2	217	299	372	438	500	558	613	665	715
	2.4	240	331	411	485	554	618	678	737	792
Downhill 2%	1.0	174	252	327	401	473	545	616	686	748
	1.6	209	299	384	465	544	622	698	772	840
	2.2	235	334	426	514	599	682	762	841	913
	2.4	257	363	462	555	645	732	817	899	976

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripper limitations.
Due to considerations related to dripline filling time and flushing effectiveness, it is not recommended to exceed a dripline length of 800 meters.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 3.00 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	99	128	152	170	185	198	209	218	226
	1.6	133	176	212	243	269	293	314	332	349
	2.2	156	209	254	294	328	358	386	412	435
	2.4	175	236	288	333	374	410	444	474	503
Flat terrain	1.0	114	156	194	229	260	291	319	347	372
	1.6	145	199	248	292	334	372	409	444	477
	2.2	167	230	286	338	385	430	472	513	551
	2.4	184	254	317	374	427	476	523	568	611
Downhill 2%	1.0	129	185	238	291	341	391	440	489	537
	1.6	157	223	284	343	400	454	509	562	613
	2.2	178	251	318	383	444	503	561	617	673
	2.4	194	273	346	415	481	544	605	665	723

Minimum design pressure: 0.40 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 3.50 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	76	97	113	126	136	145	151	158	162
	1.6	112	149	180	206	228	248	265	281	295
	2.2	136	182	222	256	286	313	338	360	380
	2.4	154	207	254	294	330	363	393	420	446
Flat terrain	1.0	89	123	152	180	205	228	250	272	292
	1.6	123	169	210	248	283	316	346	376	405
	2.2	145	200	248	293	334	373	410	446	479
	2.4	162	223	278	328	374	418	459	499	537
Downhill 2%	1.0	103	149	193	237	278	320	362	402	443
	1.6	133	189	242	292	340	387	433	478	523
	2.2	154	217	276	331	385	435	486	535	582
	2.4	170	239	303	363	420	475	528	581	631

Minimum design pressure: 0.60 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.

Max. dripline length (meter) at different inlet pressure and different slopes

DripNet PC™ AS TWD 22135/22150 • ID 22.2 mm • Kd 0.18 • Flow rate 3.80 l/h

	Distance between drippers (meter)									
	Inlet pressure (bar)	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
Uphill 2%	1.0	72	93	109	122	132	141	148	154	159
	1.6	107	143	172	197	219	238	255	271	285
	2.2	129	174	212	245	274	300	323	346	365
	2.4	146	197	242	281	315	347	375	402	427
Flat terrain	1.0	85	116	144	170	194	216	238	257	277
	1.6	117	161	200	236	268	300	329	357	384
	2.2	137	189	236	278	317	354	389	422	454
	2.4	153	212	264	311	355	396	436	473	509
Downhill 2%	1.0	97	140	181	222	260	300	338	375	413
	1.6	126	179	228	275	320	364	406	449	490
	2.2	145	205	260	312	362	410	457	502	547
	2.4	161	226	286	343	396	448	498	546	594

Minimum design pressure: 0.60 bar. Maximum working pressure: Determined by the dripline wall-thickness limitations.